

COMPRESSED AUDIO STREAM DATA DECODER
MEMORY SHARING TECHNIQUES

ABSTRACT OF THE DISCLOSURE

A decoder (10) decodes compressed data. A memory (44) stores the compressed data and stores operating data and operating code for a plurality of decompression algorithms requiring different amounts of memory for the operating data and operating code and requiring different amounts of memory to store compressed data corresponding to a predetermined amount of uncompressed data. A processor (42) is arranged to select one of the decompression algorithms, to allocate an amount of the memory for storing compressed data and operating data and operating code depending on the decompression algorithm selected and to decode the compressed data stored in the allocated amount of memory.